

IN THE CLAIMS:

Please cancel claims 11, 13, 18-20, and 26-30 without prejudice.

Please amend the claims as follows:

1. (Twice Amended) A method, in an Internet client, of downloading a download file, consisting of a set of component[s] files, from an Internet server [to an Internet client], comprising [the steps of]:

[generating] receiving from the server a profile of the download file that includes identifying information for each component file;

initiating a download sequence by which each component file is transferred, one-by-one, from the server [to the client] using an Internet protocol;

when the download sequence is complete, reassembling the component[s] files into the download file using the identifying information in the profile.

2. (Amended) The method as described in Claim 1 further including [the step of]:

upon interruption of the download sequence, restarting the download sequence with a component file affected by the interruption.

3. (Amended) The method as described in Claim 2 wherein any component file transferred prior to the interruption is not re-transferred from the server [to the client].

5. (Amended) The method as described in Claim 1 wherein the identifying information in the profile for each component file includes an identifier, a value indicating a size of the component file, and a code uniquely identifying the component file.

7. (Amended) The method as described in Claim 5 further including [the step of] verifying that a component file transferred [to the client] from the server is part of the download file using the identifying information.

8. (Twice Amended) A method, in an Internet server, of downloading a download file,

consisting of a set of component[s] files, [from an Internet server] to an Internet client, comprising [the steps of]:

breaking the download file into the set of component[s] files;

generating a profile of the download file that includes identifying information for each component file;

initiating a download sequence by which each component file is transferred, one-by-one, [from the server] to the client using an Internet protocol; and

responsive to any interruption of the download sequence, restarting the download sequence with a component file affected by the interruption[; and

when the download sequence is complete, reassembling the components into the file using the identifying information in the profile].

9. (Amended) The method as described in Claim 8 wherein the identifying information in the profile for each component file includes an identifier, a value indicating a size of the component file, and a code uniquely identifying the component file.

12. (Amended) A method, in an Internet client, of downloading a download file, consisting of a set of component[s] files, from [a] an Internet server [to an Internet client], the download file represented by a profile that includes identifying information for the download file and for each component file thereof, comprising [the steps of]:

transferring the profile from the server;

initiating a download sequence according to the profile by which each component file is transferred, one-by-one, from the server [to the client] using [the] Internet File Transfer Protocol (FTP);

upon receipt [at the client] of a component file, using the identifying information to verify whether a complete version of the component file has been transferred;

if the complete version of the component file has not been transferred, restarting the download sequence with the component file; and

when the download sequence is complete, reassembling the component files into the download file and verifying whether a complete version of the download file has been

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transferred using the identifying information for the download file[;

if the complete version of the file has been transferred, reassembling the components into the file].

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14. (Amended) The method as described in Claim [13] 12 further including [the step of] re-transferring the profile from the server [to the client] prior to restarting the download sequence.

15. (Amended) The method as described in Claim 12 wherein the identifying information for the download file includes a code uniquely identifying the download file.

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17. (Amended) A computer program product, in a computer readable medium, for use in an Internet client for downloading a download file, consisting of a set of component[s] files, from a Internet server [to an Internet client], the computer program product comprising:

[a computer-readable storage medium having a substrate; and
program data encoded in the substrate of the computer-readable storage medium,
wherein the program data comprises:

means] instructions for [generating] receiving from the server a profile that includes identifying information for the download file and for each component file thereof[,];

[means] instructions for initiating a download sequence by which each component file is transferred, one-by-one, from the server [to the client] using an Internet protocol;

[means] instructions responsive to any interruption of the download sequence, for restarting the download sequence with the component file affected by the interruption;
and

[means] instructions responsive to completion of the download sequence for reassembling the component[s] files into the download file using the profile.

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21. (Amended) A computer program product, in a computer readable medium, for use in

an Internet server for downloading a download file [from a Internet server] to an Internet client, the computer program product comprising:

[a computer-readable storage medium having a substrate; and

program data encoded in the substrate of the computer-readable storage medium,

wherein the program data comprises:

means] instructions for breaking the download file into a set of component[s] files;

[means] instructions for generating a profile that includes identifying information for the download file and for each component file thereof[.];

[means] instructions for transferring the profile [from the server] to the client;

[means] instructions for initiating a download sequence according to the profile by which each component file is transferred, one-by-one, [from the server] to the client using an Internet protocol; and

[means] instructions responsive to any interruption of the download sequence for [retransferring the profile from the server to the client and] restarting the download sequence with the component file affected by the interruption[; and

means responsive to completion of the download sequence for reassembling the components into the file using the retransferred profile].

22. (Amended) A client computer connectable to the Internet, comprising:

a processor; and

a memory electrically connected to the processor, the memory having stored therein [an operating system;] Internet protocol [means] instructions [;] and [a client component of] a file transfer download routine[, the client component having an associated server component supported on a server; wherein the client component of the file transfer download routine includes means] to be executed by the processor for performing the following steps:

receiving from a server a profile of a download file that includes identifying information for a plurality of component files that make up the download file;

initiating a download sequence by which each component file is transferred, one-by-one, from the server using the Internet protocol instructions;
and

responsive to receipt of the component [pieces] files [of a file] for reassembling the component [pieces] files into the download file using [a file] the profile.

23. (Amended) The client computer as described in Claim 22 wherein the Internet protocol [means] instructions [is FTP] are file transfer protocol instructions.

24. (Amended) A server computer connectable to the Internet, comprising:
a processor; and
a memory electrically connected to the processor, the memory having stored therein [an operating system;] Internet protocol [means] instructions [;] and [a server component of] a file transfer download routine[, the server component having an associated client component supported on a client machine; wherein the server component includes means for] to be executed by the processor for performing the following steps:

breaking a download file into a set of component files;
generating a profile of the download file that includes identifying information for each component file;
transferring the profile to a client;
initiating a download sequence by which the component[s] files [of a file] are transferred, one-by-one, [from the server computer] to the client [machine] using the Internet protocol [means] instructions[,]; and
[means] responsive to any interruption of the download sequence for restarting the sequence with the component file affected by the interruption.

25. (Amended) The client computer as described in Claim 24 wherein the Internet protocol [means] instructions [is FTP] are file transfer protocol instructions.